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Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

Application Number	10/627,939
Filing Date	July 25, 2003
First Named Inventor	Michael Robert Samuels, Et Al.
Art Unit	3742
Examiner Name	Quang T. Van
Attorney Docket Number	AD6900US

Please **check only one** of boxes 1 or 2 below:
(If no box is checked, this paper will be treated as a request for express abandonment as if box 1 is checked.)

1. ☐ **Express Abandonment**
I request that the above-identified application be expressly abandoned as of the filing date of this paper.

2. ☑ **Express Abandonment in Favor of a Continuing Application**
I request that the above-identified application be expressly abandoned as of the filing date accorded the continuing application filed previously or herewith.

NOTE: A paper requesting express abandonment of an application is not effective unless and until an appropriate USPTO official recognizes and acts on the paper. See the Manual of Patent Examining Procedure (MPEP), section 711.01.

TO AVOID PUBLICATION, USE FORM PTO/SB/24A INSTEAD OF THIS FORM.

TO REQUEST A REFUND OF SEARCH FEE AND EXCESS CLAIMS FEE (IF ELIGIBLE), USE FORM PTO/SB/24B INSTEAD OF THIS FORM.

I am the:
- ☐ applicant.
- ☐ assignee of record of the entire interest. See 37 CFR 3.71. Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96)
- ☑ attorney or agent of record. Attorney or agent registration number is 30,396
- ☐ attorney or agent acting under 37 CFR 1.34, who is authorized under 37 CFR 1.138(b) because the application is expressly abandoned in favor of a continuing application (box 2 above must be checked). Attorney or agent registration number is _____.

Signature — 4-02-07 Date

ARNE R. JARNHOLM — Typed or printed name

(302) 992-2394 — Telephone Number

Note: Signature of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below.

☐ Total of _____ forms are submitted.

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Page 1 of 2

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PAGE 1/2 * RCVD AT 4/2/2007 11:05:40 AM [Eastern Daylight Time] * SVR:USPTO-EFXRF-3/17 * DNIS:2738300 * CSID:302 992 3257 * DURATION (mm-ss):01-10

DuPont Electronic Laboratory Notebook

Identification Number : D100052-28.01

Experiment Name : D100052-13

Program Name : Zenite

Project Name: Thermoconductivity for Joel Citron

Document Name : D100052-13 series Thermal Conductive Zenite Joel Citron.pdf

Site Name : EXP ST

Business Unit : Engineering Polymers

Author Name : Mike J. Molitor **Date :** 02/26/2007 14:59:57

Co-Author Details :

Witness Name : Adcock, Dave **Date :** 02/26/2007 15:03:04

Date (GMT)	Signed by
2/26/2007 07:59:57 PM	Name: Mike J. Molitor
	Pre-Sig Hash: 9b9c723fedbb8ec913753be9ae4abc415c4f0fa1
Justification	By entering your password you verify that you planned and/or executed the work, directed the work, analyzed the result, or drew the conclusions described within this document.

2/26/2007 08:03:05 PM	Name: Adcock, Dave
	Pre-Sig Hash: 4004778267da1f14aed9d10dd217ba30817d5b91
Justification	By entering your password you will be signing to say that you have witnessed the information contained in this document

	Name:
	Pre-Sig Hash:
Justification	

	Name:
	Pre-Sig Hash:
Justification	

	Name:
	Pre-Sig Hash:
Justification	

	Name:
	Pre-Sig Hash:
Justification	

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E.I. du Pont de Nemours and Company

Sample # D100052	13-1	13-2
Zenite 6000	55	
Jetfil Talc 575C	37	
Carbon fiber Sigrafil	8	

E. I. du Pont de Nemours and Company

TITLE 30-C DATE 10/19/06

PURPOSE Comp

E 110149- 77

J.R.N. 2006-296 DATE 10/19/06 TECHNICIAN AREA NOTEBOOK/PG
RESEARCHER M. J. White NOTEBOOK/PG E-[illegible]-13
BARREL 30-c SCREW SCREENS
DIE 1" SIZE 3/16 ADAPTERS P354-S02113-F60122
POLYMER Zenite / Talc CHARGE CODE
INTERLOCKS CHECKED? RUN STARTED/COMPLETED

AUXILLARY EQUIPMENT USED Quench tank change to Belt & air cutter 1 feeder @ 300 & side feeder 383/[illegible]

SAMPLE #		#1	#2						
TIME									
	SET PTS	ACTUAL	ACTUAL	ACTUAL	ACTUAL	ACTUAL	ACTUAL	ACTUAL	ACTUAL
F.T.									
BARREL 2	340	314	322						
BARREL 3	340	309	309						
BARREL 4	340	324	335						
BARREL 5	340	309	324						
BARREL 6	340	327	339						
BARREL 7	340	340	338						
BARREL 8	340	341	339						
BARREL 9	340	340	339						
BARREL 10									
BARREL 11									
BARREL 12									
BARREL 13									
DIE	350	318	328						
ADAPTER									
SCREW SPEED		250	250						
TORQUE		33-42	32-41						
DIE PRESS		23-25	20-21						
VACUUM		30	30						
DCA									
DCV									
FEED 1 PPH		11.8	14.0						
FEED 2 PPH		9.0	6.0						
FEED 3 PPH									
PUMP GPH									
RATE (PPH)		21.6	20.2						
PANEL MELT		359	366						
HAND MELT									
CUTTER SPD									

COMMENTS

EXPERIMENTER [signature] DATE 10/19/06

WITNESSED BY Stephen R. [signature] DATE 10-31-06

57 mil Diff.

BOOK PAGE

E. I. du Pont de Nemours and Company

TITLE 6 OZ. A INJECTION MOLDING DATE 10-30-06

E 111563- 36 PURPOSE PHYSICAL TESTING

JR NO. 1275 NB NO D 100052 DATE 10-30-06 CYLINDER 6 OZ A
FOR [illegible] CHARGE/SBU E. P. RAM SPEED FAST
POLYMER TYPE ZENITE SCREW G.P. SCREW SPEED -
MOLD 1/8" DISK (E-T) NOZZLE L 7/32" BACK PRESS MIN.

SAMPLE NO.	REAR	CENTER	FRONT	NOZZLE	MOLD TEMP A	MOLD TEMP B	CYCLE S	CYCLE I	CYCLE H	PRESS. BOOST	PRESS. INJ.	MELT	SHOW RAM
13 - 2	325	332	332	323	100	100	2	15	15	350	250		363

13-2	325	332	332	323	100	100	2	15	15	350	250	363
13-1	325	337	335	330	100	100	2	15	15	350	250	36

EXAMINER INITIAL: [signature]

WITNESSED BY: Robert L. Todd

DATE: 10-30-06

DATE: 11-1-06

DuPont Electronic Laboratory Notebook

Identification Number : D100008 32.02

Experiment Name : D100008-18

Program Name : Zenite

Project Name: Thermal Conductivity

Document Name : ThermalConductivityofD100052-13-1and13-2.pdf

Site Name : EXP ST

Business Unit : Engineering Polymers

Author Name : Adcock, Dave **Date :** 02/26/2007 12:57:03

Co-Author Details :

Witness Name : Harvey, Pat A. **Date :** 02/26/2007 13:07:04

Date (GMT)	Signed by
2/26/2007 05:57:03 PM	Name: Adcock, Dave Pre-Sig Hash: [illegible]
Justification	By entering your password you verify that you planned and/or executed the work, directed the work, analyzed the result, or drew the conclusions described within this document.

2/26/2007 06:07:04 PM	Name: Harvey, Pat A. Pre-Sig Hash: 73b0cadec1bdedf8234bdc64d81ae2e301af81ba
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	Name: Pre-Sig Hash:
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Justification	

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USING TEST FILE : 13-1.tst
DATE : 11/01/06

TEST DESCRIPTION
3100052-13-1
injection molded disc

SAMPLE ID : 13-1
SAMPLE THICKNESS: 3.030mm

Average sample temperature = 50 C Controller= 30 C

TU (C)	TG (C)	TL (C)	TH (C)	TU-TL (C)	Q	RATIO
60.0	48.2	40.4	30.0	19.64	9472.1	0.211266
60.6	48.0	40.8	29.5	19.75	10096.7	0.195657
60.6	48.1	40.9	29.5	19.73	10107.1	0.195166

Average sample temperature = 75 C Controller= 55 C

TU (C)	TG (C)	TL (C)	TH (C)	TU-TL (C)	Q	RATIO
78.1	65.9	58.4	49.3	19.74	6854.4	0.233231
85.2	72.0	65.6	54.7	19.63	10161.7	0.193207
85.2	72.0	65.6	54.7	19.62	10167.3	0.193013

USING CALIBRATION FILE: ESL04200.cal USING FIRST ORDER FIT
USING TEST FILE : 13-1.tst

SAMPLE ID : 13-1
SAMPLE THICKNESS : 3.030mm
CTE : 0.000e+000

THE SAMPLE HAS A THERMAL CONDUCTIVITY OF: 3.651347e-001 W/mK = 0.365 W/m K
AND A THERMAL RESISTANCE OF : 8.298308e-003 m2K/W
AT A TEMPERATURE OF : 50.75 C

THE DELTA T THROUGH THE SAMPLE IS : 19.73 C
THE HEATER TEMPERATURE IS : 29.54 C
THE DELTA T ACROSS THE STACK IS : 31.10 C
THE GUARD TEMPERATURE IS : 48.10 C

THE SAMPLE HAS A THERMAL CONDUCTIVITY OF: 3.702624e-001 W/mK = 0.370 W/m K
AND A THERMAL RESISTANCE OF : 8.183385e-003 m2K/W
AT A TEMPERATURE OF : 75.40 C

THE DELTA T THROUGH THE SAMPLE IS : 19.62 C
THE HEATER TEMPERATURE IS : 54.66 C
THE DELTA T ACROSS THE STACK IS : 30.55 C
THE GUARD TEMPERATURE IS : 72.02 C

DuPont Electronic Laboratory Notebook

Identification Number : D100008 32.02

Experiment Name : D100008-18

Program Name : Zenite

Project Name: Thermal Conductivity

Document Name : ThermalConductivityofD100052-13-1and13-2.pdf

Site Name : EXP ST

Business Unit : Engineering Polymers

Author Name : Adcock, Dave **Date :** 02/26/2007 12:57:03

Co-Author Details :

Witness Name : Harvey, Pat A. **Date :** 02/26/2007 13:07:04

Date (GMT)	Signed by
2/26/2007 05:57:03 PM	Name: Adcock, Dave
	Pre-Sig Hash: [illegible]
Justification	By entering your password you verify that you planned and/or executed the work, directed the work, analyzed the result, or drew the conclusions described within this document.

2/26/2007 06:07:04 PM	Name: Harvey, Pat A.
	Pre-Sig Hash: 73b0cadec1bdedf8234bdc64d81ae2e301af81ba
Justification	By entering your password you will be signing to say that you have witnessed the information contained in this document

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	Pre-Sig Hash:
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	Name:
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Justification	

	Name:
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Justification	

	Name:
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Justification	

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USING TEST FILE : 13-1.tst
DATE : 11/01/06

TEST DESCRIPTION:
D100552-13-1
Injection molded disc

SAMPLE ID : 13-1
SAMPLE THICKNESS: 3.030mm

Average sample temperature = 50 C Controller= 30 C

TU (C)	TG (C)	TL (C)	TH (C)	TU-TL (C)	Q	RATIO
60.0	48.2	40.4	30.0	19.64	9472.1	0.211266
60.6	48.0	40.8	29.5	19.75	10096.7	0.195657
60.6	48.1	40.9	29.5	19.73	10107.1	0.195166

Average sample temperature = 75 C Controller= 55 C

TU (C)	TG (C)	TL (C)	TH (C)	TU-TL (C)	Q	RATIO
78.1	65.9	58.4	49.3	19.74	8854.4	0.233231
85.2	72.0	65.6	54.7	19.63	10161.7	0.193207
85.2	72.0	65.6	54.7	19.62	10167.3	0.193013

USING CALIBRATION FILE: ESL04200.cal USING FIRST ORDER FIT
USING TEST FILE : 13-1.tst

SAMPLE ID : 13-1
SAMPLE THICKNESS : 3.030mm
CTE : 0.000e+000

THE SAMPLE HAS A THERMAL CONDUCTIVITY OF: 3.651347e-001 W/mK = 0.365 W/m·K
AND A THERMAL RESISTANCE OF : 8.298308e-003 m2K/W
AT A TEMPERATURE OF : 50.78 C

THE DELTA T THROUGH THE SAMPLE IS : 19.73 C
THE HEATER TEMPERATURE IS : 29.54 C
THE DELTA T ACROSS THE STACK IS : 31.10 C
THE GUARD TEMPERATURE IS : 48.10 C

THE SAMPLE HAS A THERMAL CONDUCTIVITY OF: 3.702624e-001 W/mK = 0.370 W/m·K
AND A THERMAL RESISTANCE OF : 8.183385e-003 m2K/W
AT A TEMPERATURE OF : 75.40 C

THE DELTA T THROUGH THE SAMPLE IS : 19.62 C
THE HEATER TEMPERATURE IS : 54.66 C
THE DELTA T ACROSS THE STACK IS : 30.55 C
THE GUARD TEMPERATURE IS : 72.02 C

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E-3) NO ANSWER
E-4) NO FACSIMILE CONNECTION

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FAX HEADER 2:

TRANSMITTED/STORED : APR. 2. 2007 11:02AM

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E-2) BUSY
E-3) NO ANSWER
E-4) NO FACSIMILE CONNECTION

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DuPont Electronic Laboratory Notebook

Identification Number : D100052-28.01

Experiment Name : D100052-13

Program Name : Zenite

Project Name: Thermoconductivity for Joel Citron

Document Name : D100052-13 series Thermal Conductive Zenite Joel Citron.pdf

Site Name : EXP ST

Business Unit : Engineering Polymers

Author Name : Mike J. Molitor **Date :** 02/26/2007 14:59:57

Co-Author Details :

Witness Name : Adcock, Dave **Date :** 02/26/2007 15:03:04

Date (GMT)	Signed by
2/26/2007 07:59:57 PM	Name: Mike J. Molitor
	Pre-Sig Hash: 9b9c723fedbb8ec913753be9ae4abc415c4f0fa1
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	Name:
	Pre-Sig Hash:
Justification	

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E.I. du Pont de Nemours and Company

Sample # D100052	13-1	13-2
Zenite 6000	55	
Jetfil Talc 575C	37	
Carbon fiber Sigrafil	8	

66

E. I. du Pont de Nemours and Company

TITLE 30-C DATE 10/19/06

PURPOSE Comp

E 110149- 77

J.R.N. 2006-A96 DATE 10/19/06 TECHNICIAN AREA NOTEBOOK/PG
RESEARCHER M. J. Webster NOTEBOOK/PG E-D100052-13
BARREL 30-C SCREW SCREENS
DIE 1" SIZE 3/16 ADAPTERS PISY-SOP113-PG0122
POLYMER Zenite / Talc CHARGE CODE
INTERLOCKS CHECKED? RUN STARTED/COMPLETED

AUXILLARY EQUIPMENT USED Quench Tank Change to
Belt & air cutter + feeder @ 300 °
Side feeder 2A3/Fir.

SAMPLE #		#1	#2						
TIME									
	SET PTS	ACTUAL	ACTUAL	ACTUAL	ACTUAL	ACTUAL	ACTUAL	ACTUAL	ACTUAL
F.T.									
BARREL 2	340	314	322						
BARREL 3	340	309	309						
BARREL 4	340	324	335						
BARREL 5	340	309	324						
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SCREW SPEED		250	250						
TORQUE		30-42	32-41						
DIE PRESS		23-25	20-21						
VACUUM		30	30						
DCA									
DCV									
FEED 1 PPH		11.0	14.0						
FEED 2 PPH		9.0	6.0						
FEED 3 PPH									
PUMP GPH									
RATE (PPH)		21.6	20.2						
PANEL MELT		359	366						
HAND MELT									
CUTTER SPD									

COMMENTS

EXPERIMENTER [signature] DATE 10/19/06

WITNESSED BY Stephen R. Reitzell DATE 10-31-06

57 mih Diff.

BOOK PAGE

E. I. du Pont de Nemours and Company

E 111563- 36

TITLE 6 OZ. A INJECTION MOLDING DATE 10-30-06

PURPOSE PHYSICAL TESTING

JR NO. 1275 NB NO. D100052 DATE 10-30-06 CYLINDER 6 OZ A
FOR Mukerji CHARGE/SBU E.P. RAM SPEED FAST
POLYMER TYPE ZENITE SCREW G.P. SCREW SPEED -
MOLD 1/8" DISK (E-7) NOZZLE 6 7/32" BACK PRESS MIN.

SAMPLE NO.	REAR	CENTER	FRONT	NOZZLE	MOLD TEMP A	MOLD TEMP B	CYCLE B	CYCLE I	CYCLE H	PRESS. BOOST	PRESS. INJ	MELT	SLOW RAM
13-2	325	352	352	323	100	100	2	15	15	350	250		363

13-2	325	332	332	323	100	100	2	15	15	350	250	363
13-1	325	337	332	330	100	100	2	15	15	350	250	367

EXPERIMENTER K Wolfe DATE 10-30-06

WITNESSED BY Robert K. Tabb DATE 11-1-06

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Identification Number : D100008 22.02

Experiment Name : D100008-18

Program Name : Zenite

Project Name: Thermal Conductivity

Document Name : ThermalConductivityofD100052-13-1and13-2.pdf

Site Name : EXP ST

Business Unit : Engineering Polymers

Author Name : Adcock, Dave **Date :** 02/26/2007 12:57:03

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Witness Name : Harvey, Pat A. **Date :** 02/26/2007 13:07:04

Date (GMT)	Signed by
2/26/2007 05:57:04 PM	Name: Adcock, Dave
	Pre-Sig Hash: [illegible]
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2/26/2007 06:07:04 PM	Name: Harvey, Pat A.
	Pre-Sig Hash: 73b0cadec1bdedf8234bdc64d81ae2e301af81ba
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USING TEST FILE : 13-1.tst
DATE : 11/01/06

TEST DESCRIPTION
D100052-13-1
Injection molded disc

SAMPLE ID : 13-1
SAMPLE THICKNESS: 3.030mm

Average sample temperature = 50 C Controller= 30 C

TU (C)	TG (C)	TL (C)	TH (C)	TU-TL (C)	Q	RATIO
60.0	48.2	40.4	30.0	19.64	9472.1	0.211266
60.6	48.0	40.8	29.5	19.75	10096.7	0.195657
60.6	48.1	40.9	29.5	19.73	10107.1	0.195166

Average sample temperature = 75 C Controller= 55 C

TU (C)	TG (C)	TL (C)	TH (C)	TU-TL (C)	Q	RATIO
78.1	65.9	58.4	49.3	19.74	8854.4	0.233231
85.2	72.0	65.6	54.7	19.63	10161.7	0.193207
85.2	72.0	65.6	54.7	19.62	10167.3	0.193013

USING CALIBRATION FILE: ESL04200.cal USING FIRST ORDER FIT
USING TEST FILE : 13-1.tst

SAMPLE ID : 13-1
SAMPLE THICKNESS : 3.030mm
CTE : 0.000e+000

THE SAMPLE HAS A THERMAL CONDUCTIVITY OF: 3.651347e-001 W/mK = 0.365 W/m K
AND A THERMAL RESISTANCE OF : 8.298308e-003 m2K/W
AT A TEMPERATURE OF : 50.78 C

THE DELTA T THROUGH THE SAMPLE IS : 19.73 C
THE HEATER TEMPERATURE IS : 29.54 C
THE DELTA T ACROSS THE STACK IS : 31.10 C
THE GUARD TEMPERATURE IS : 48.10 C

THE SAMPLE HAS A THERMAL CONDUCTIVITY OF: 3.702624e-001 W/mK = 0.370 W/m K
AND A THERMAL RESISTANCE OF : 8.183385e-003 m2K/W
AT A TEMPERATURE OF : 75.40 C

THE DELTA T THROUGH THE SAMPLE IS : 19.62 C
THE HEATER TEMPERATURE IS : 54.66 C
THE DELTA T ACROSS THE STACK IS : 30.55 C
THE GUARD TEMPERATURE IS : 72.02 C

DuPont Electronic Laboratory Notebook

Identification Number : D100052-28.01

Experiment Name : D100052-13

Program Name : Zenite

Project Name: Thermoconductivity for Joel Citron

Document Name : D100052-13 series Thermal Conductive Zenite Joel Citron.pdf

Site Name : EXP ST

Business Unit : Engineering Polymers

Author Name : Mike J. Molitor **Date :** 02/26/2007 14:59:57

Co-Author Details :

Witness Name : Adcock, Dave **Date :** 02/26/2007 15:03:04

Date (GMT)	**Signed by**
2/26/2007 07:59:57 PM	Name: Mike J. Molitor
	Pre-Sig Hash: 9b9c723fedbb8ec913753be9ae4abc415c4f0fa1
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Justification	

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Sample # D100052	13-1	13-2
Zenite 6000	55	
Jetfil Talc 575C	37	
Carbon fiber Sigrafil	8	

E. I. du Pont de Nemours and Company

TITLE 30-C DATE 10/19/06

PURPOSE Comp

E 110149- 77

J.R.N. 2006-A96 DATE 10/19/06 TECHNICIAN — AREA NOTEBOOK/PG

RESEARCHER M. J. [illegible] NOTEBOOK/PG E-D[illegible]-13

BARREL 27-e SCREW SCREENS

DIE 1" SIZE 3/16 ADAPTERS [illegible] P3S4-50P113-F60122

POLYMER Zenite / [illegible] CHARGE CODE

INTERLOCKS CHECKED? RUN STARTED/COMPLETED

AUXILLARY EQUIPMENT USED Quench Tank change to belt & air cutter 1 feeder @ 300 & side feeder 283/[illegible].

SAMPLE #		#1	#2						
TIME									
	SET PTS	ACTUAL	ACTUAL	ACTUAL	ACTUAL	ACTUAL	ACTUAL	ACTUAL	ACTUAL
F.T.									
BARREL 2	340	314	322						
BARREL 3	340	309	309						
BARREL 4	340	324	335						
BARREL 5	340	309	324						
BARREL 6	340	327	339						
BARREL 7	345	340	338						
BARREL 8	346	341	339						
BARREL 9	340	340	339						
BARREL 10									
BARREL 11									
BARREL 12									
BARREL 13									
DIE	350	318	328						
ADAPTER									
SCREW SPEED		250	250						
TORQUE		33-42	32-41						
DIE PRESS		23-25	20-21						
VACUUM		30	30						
DCA									
DCV									
FEED 1 PPH		11.0	14.0						
FEED 2 PPH		9.0	6.0						
FEED 3 PPH									
PUMP GPH									
RATE (PPH)		21.6	20.2						
PANEL MELT		359	366						
HAND MELT									
CUTTER SPD									

COMMENTS

EXPERIMENTER [signature] DATE 10/19/06

WITNESSED BY Stephen R. [signature] DATE 10-31-06

57 mil Diff.

BOOK PAGE

E. I. du Pont de Nemours and Company

TITLE 6 OZ. A INJECTION MOLDING DATE 10-30-06

E 111563- 36 PURPOSE PHYSICAL TESTING

JR NO. 1275 NB NO. D 100052 DATE 10-30-06 CYLINDER 6 OZ A

FOR [illegible] CHARGE/SBU E. P. RAM SPEED FAST

POLYMER TYPE ZENITE SCREW G.P. SCREW SPEED -

MOLD 1/8" DISK (E-7) NOZZLE L 7/32" BACK PRESS [illegible]

SAMPLE NO.	REAR	CENTER	FRONT	NOZZLE	MOLD TEMP A	MOLD TEMP B	CYCLE B	CYCLE I	CYCLE H	PRESS. BOOST	PRESS. INJ	MELT	SCREW RAM
13-2	325	332	332	323	100	100	2	15	15	350	250		363

13-2	325	332	332	323	100	100	2	15	15	350	250	363
13-1	325	337	332	330	100	100	2	15	15	350	250	367

EXPERIMENTER: K Wolfe DATE: 10-30-06

WITNESSED BY: Robert L. Tabb DATE: 11-1-06

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PAGE 1/3 * RCVD AT 4/2/2007 10:58:11 AM [Eastern Daylight Time] * SVR:USPTO-EFXRF-3/1 * DNIS:2738300 * CSID:302 992 3257 * DURATION (mm-ss):01-38

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APR 04 2007
PATENT & TRADEMARK OFFICE

Effective on 12/08/2004.
Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).

FEE TRANSMITTAL For FY 2005

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT ($) **130.00**

Complete if Known	
Application Number	11/438518
Filing Date	May 22, 2006
First Named Inventor	Michael Robert Samuels, Et Al.
Examiner Name	Quang T. Van
Art Unit	3742
Attorney Docket No.	AD6900USCNT

METHOD OF PAYMENT (check all that apply)

☐ Check ☐ Credit Card ☐ Money Order ☐ None ☐ Other (please identify): _____

☑ Deposit Account Deposit Account Number: **04-1928** Deposit Account Name: **E. I. du Pont de Nemours and Company**

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

☑ Charge fee(s) indicated below ☐ Charge fee(s) indicated below, **except for the filing fee**

☑ Charge any additional fee(s) or underpayments of fee(s) under 37 CFR 1.16 and 1.17 ☑ Credit any overpayments

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FEE CALCULATION

1. BASIC FILING, SEARCH, AND EXAMINATION FEES

Application Type	FILING FEES Fee ($)	FILING FEES Small Entity Fee ($)	SEARCH FEES Fee ($)	SEARCH FEES Small Entity Fee ($)	EXAMINATION FEES Fee ($)	EXAMINATION FEES Small Entity Fee ($)	Fees Paid ($)
Utility	☐ 300	150	☐ 500	250	☐ 200	100	0.00
Design	☐ 200	100	☐ 100	50	☐ 130	65	0.00
Plant	☐ 200	100	☐ 300	150	☐ 160	80	0.00
Reissue	☐ 300	150	☐ 500	250	☐ 600	300	0.00
Provisional	☐ 200	100	☐ 0	0	☐ 0	0	0.00

2. EXCESS CLAIM FEES

Fee Description	Fee ($)	Small Entity Fee ($)
Each claim over 20 (including Reissues)	50	25
Each independent claim over 3 (including Reissues)	200	100
Multiple dependent claims	360	180

Total Claims	Extra Claims	Fee ($)	Fee Paid ($)
_____ - 20 or HP =	_____	x 50.00	= _____

HP = highest number of total claims paid for, if greater than 20.

Indep. Claims	Extra Claims	Fee ($)	Fee Paid ($)
_____ - 3 or HP =	_____	x 200.00	= _____

HP = highest number of independent claims paid for, if greater than 3.

Multiple Dependent Claims	Fee ($)	Fee Paid ($)
YES ☐	360.00	_____

3. APPLICATION SIZE FEE

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is $250 ($125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof	Fee ($)	Fee Paid ($)
_____ - 100 =	_____ / 50 =	_____ (round up to a whole number) x	250.00	= _____

4. OTHER FEE(S)

	Fees Paid ($)
Non-English Specification, $130 fee (no small entity discount)	_____
Other (e.g., late filing surcharge): Terminal Disclaimer	130.00

SUBMITTED BY

Signature	[signature]	Registration No. (Attorney/Agent) 30,396	Telephone (302) 992-2394
Name (Print/Type)	Arne R. Jarnholm		Date 4-02-07

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